Attorney Docket No.: NEC0252US

## WHAT IS CLAIMED IS:

1. A method comprising:

forming a tungsten plug in a dielectric layer;

forming an electrically conductive interconnect line on the dielectric layer after formation of the tungsten plug, wherein the tungsten plug is electrically connected to the electrically conductive interconnect line;

contacting the electrically conductive interconnect line with water after formation of the electrically conductive interconnect line;

wherein the electrically conductive interconnect line is contacted with the water for less than 120 minutes.

- 2. The method of claim 1 wherein the water is degasified and deionized.
- 3. The method of claim 1 wherein the water is deionized but not degasified.
- 4. The method of claim 1 wherein the water is degasified but not deionized.
- 5. The method of claim 1 wherein the water is neither degasified nor deionized.
- 6. The method of claim 1 wherein the water has a pH that is at or near neutral.
- 7. The method of claim 1 wherein the electrically conductive interconnect line is contacted with the water for less than 60 minutes.
- 8. The method of claim 1 wherein the electrically conductive interconnect line is contacted with the water for less than 15 minutes.
- 9. The method of claim 1 wherein the electrically conductive interconnect line is formed from a metal stack that includes one or more of titanium, titanium nitride, aluminum, an aluminum copper alloy, and an aluminum silicon copper alloy.
- 10. The method of claim 1 further comprising contacting the electrically conductive interconnect line with a solution to remove residual polymer after the electrically conductive interconnect line is contacted with the water

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11. An integrated circuit partially formed by:

forming a tungsten plug in a dielectric layer;

forming an electrically conductive interconnect line on the dielectric layer after formation of the tungsten plug, wherein the tungsten plug is electrically connected to the electrically conductive interconnect line;

contacting the electrically conductive interconnect line with water after formation of the electrically conductive interconnect line;

wherein the electrically conductive interconnect line is contacted with the water for less than 120 minutes.

- 12. The integrated circuit of claim 11 wherein the water is degasified and deionized.
- 13. The integrated circuit of claim 11 wherein the water is deionized but not degasified.
- 14. The integrated circuit of claim 11 wherein the water is degasified but not deionized.
- 15. The integrated circuit of claim 11 wherein the water is neither degasified nor deionized.
- 16. The integrated circuit of claim 11 wherein the water has a pH that is at or near neutral.
- 17. The integrated circuit of claim 11 wherein the electrically conductive interconnect line is contacted with the water for less than 60 minutes.
- 18. The integrated circuit of claim 11 wherein the electrically conductive interconnect line is contacted with the water for less than 15 minutes.
- 19. The integrated circuit of claim 11 wherein the electrically conductive interconnect line is formed from a metal stack that includes one or more of titanium, titanium nitride, aluminum, an aluminum copper alloy, or an aluminum silicon copper alloy.

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20. The integrated circuit of claim 11 further formed by contacting the electrically conductive interconnect line with a solution to remove residual polymer after the electrically conductive interconnect line is contacted with the water.

- 21. The method of claim 10 wherein the solution is alkaline or basic solution having a pH of 10 12.
- 22. The integrated circuit of claim 20 wherein the solution is alkaline or basic solution having a pH of 10 12.
- 23. The method of claim 1 wherein the electrically conductive interconnect line is formed from a metal stack that is comprised of titanium, titanium nitride, and an aluminum copper alloy consisting of 99.5% aluminum and 0.5% copper.
- 24. The integrated circuit of claim 11 wherein the electrically conductive interconnect line is formed from a metal stack that is comprised of titanium, titanium nitride, and an aluminum copper alloy consisting of 99.5% aluminum and 0.5% copper.
- 25. The method of claim 1 further comprising contacting the tungsten plug with the water after formation of the electrically conductive interconnect line.
- 26. The integrated circuit of claim 11 further formed by contacting the tungsten plug with the water after formation of the electrically conductive interconnect line.